

FIG. 1

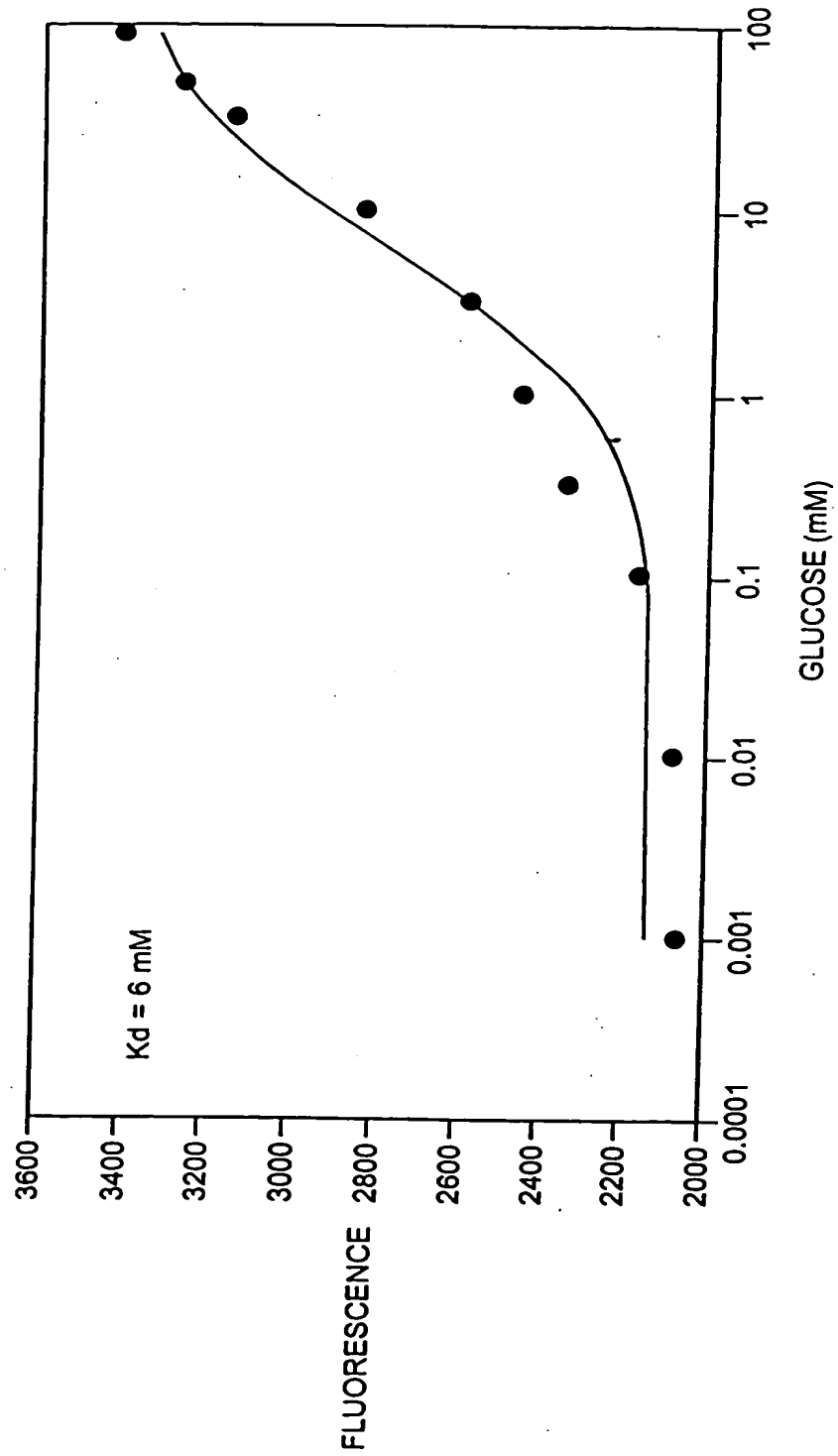


FIG. 2

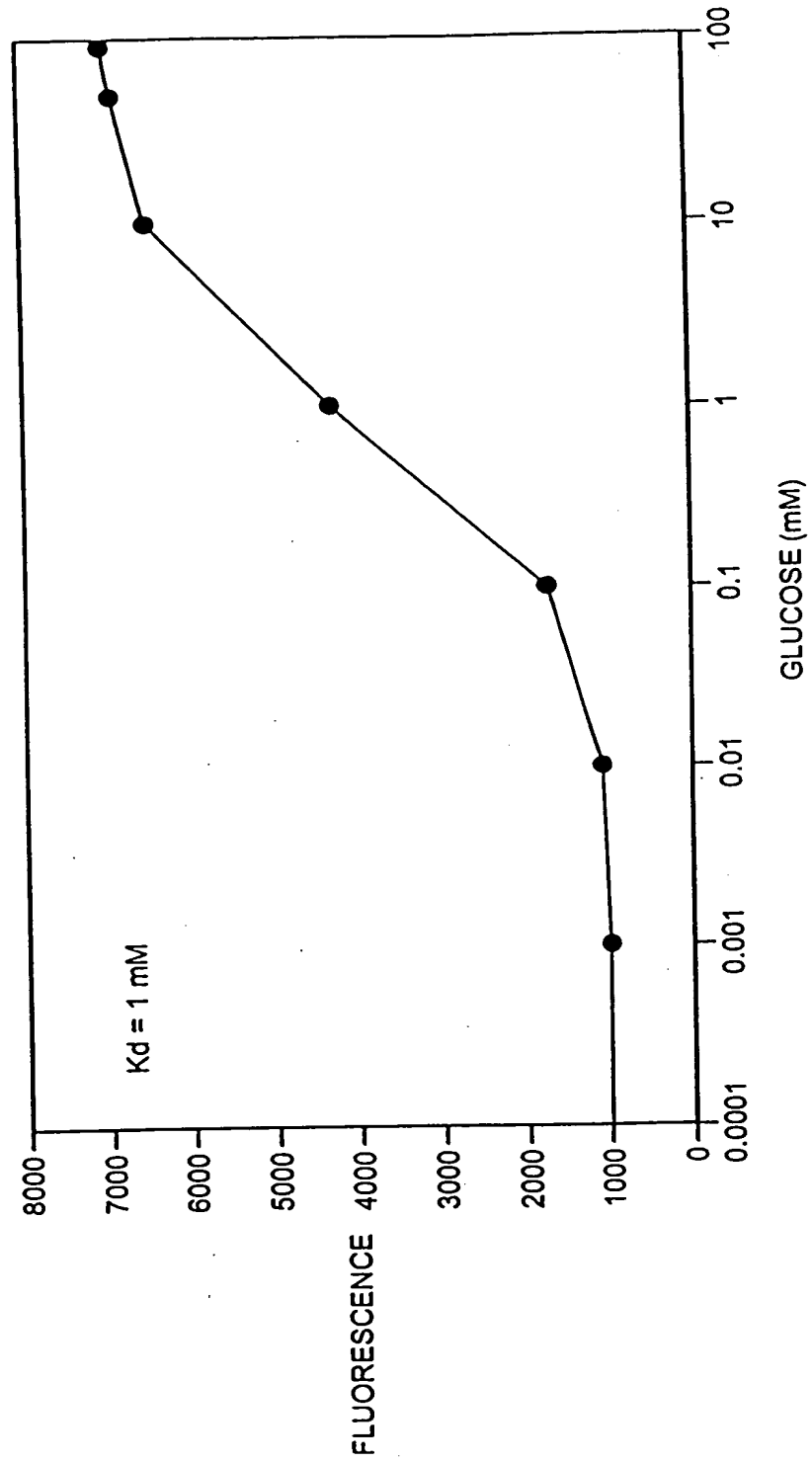
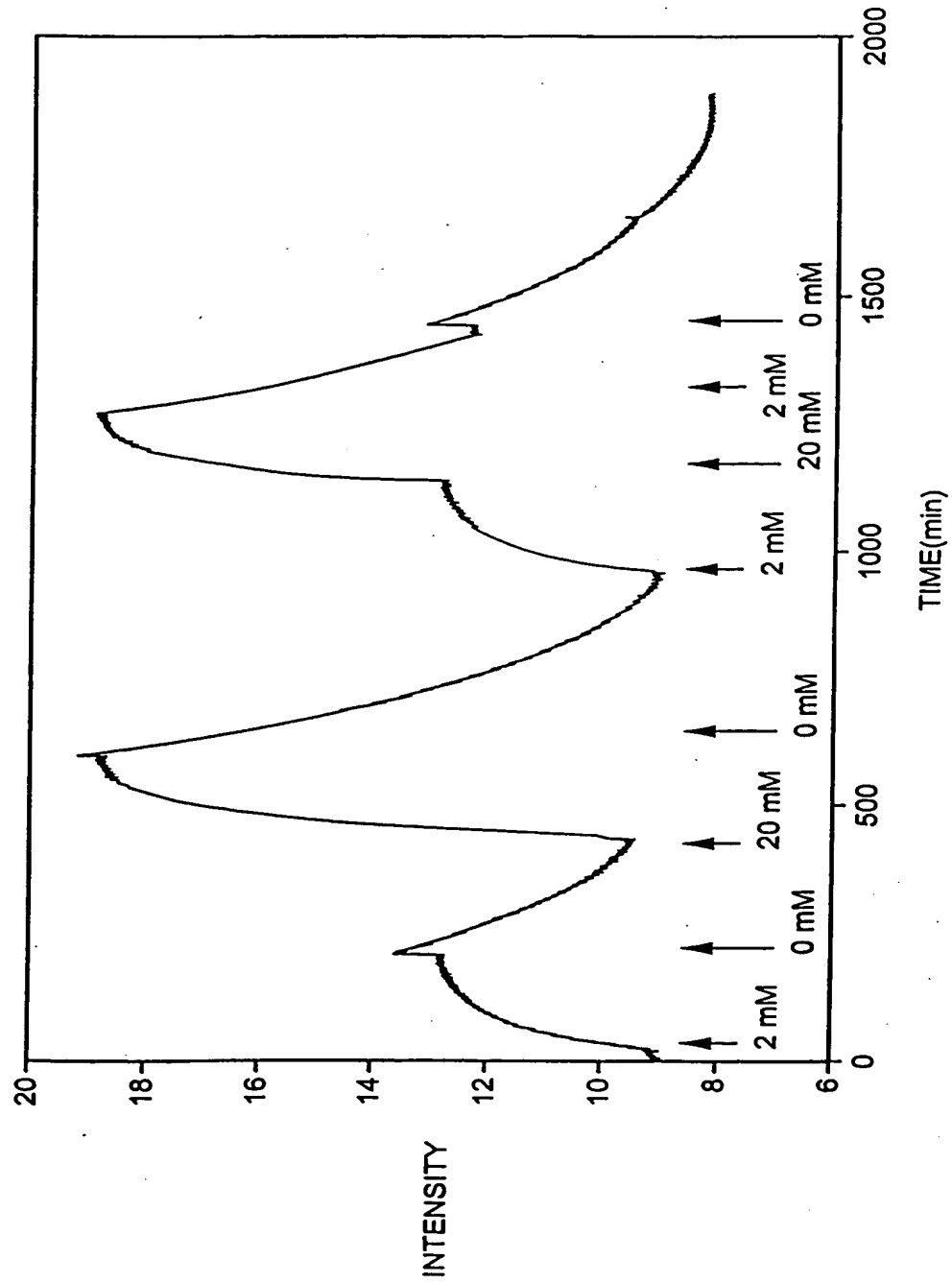


FIG. 3



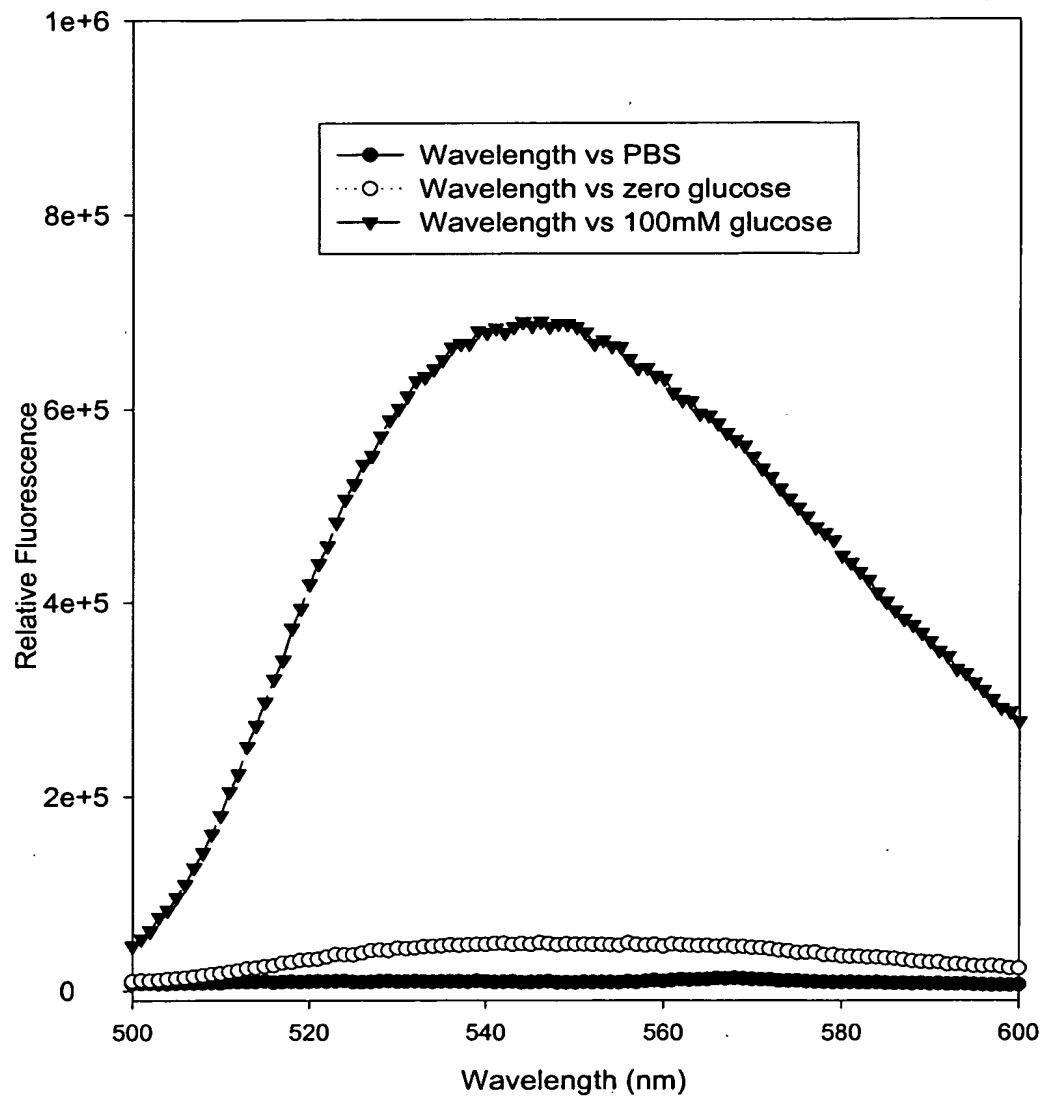


FIGURE 4 illustrates the change in fluorescence response to 100 mM glucose for E149C/A213C/L238S NBD amide GGBP H₆ in solution.

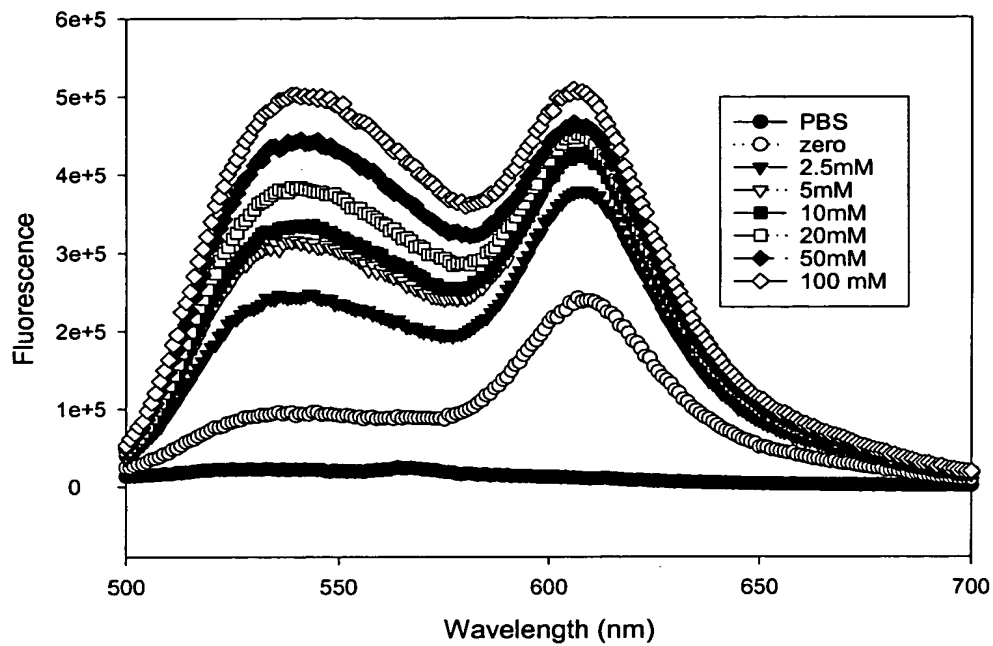


Figure 5 illustrates the change in fluorescence response to a range of glucose concentrations for E149C/A213C/L238S NBD / Texas Red GGBP H₆ in solution.

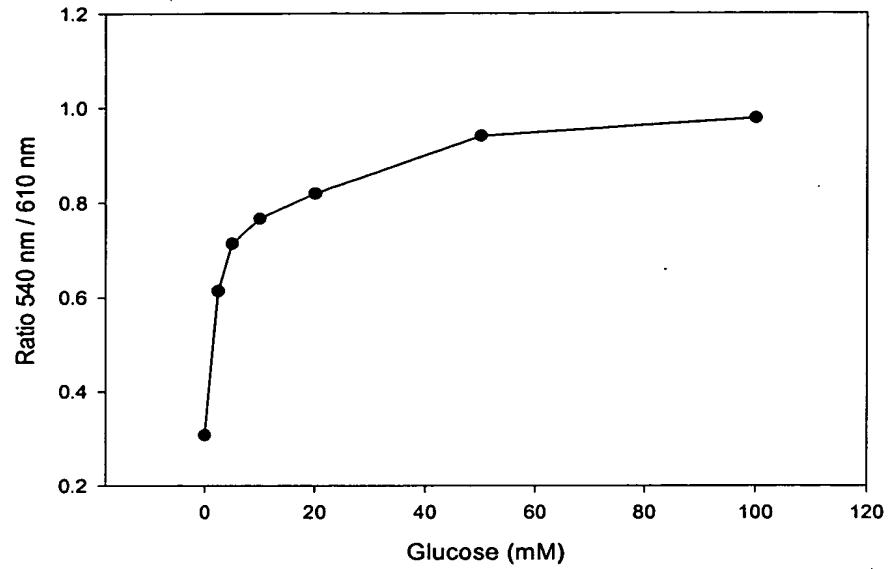


Figure 6 illustrates the change in fluorescence emission ratio (540 nm/610 nm) to a range of glucose concentrations for E149C/A213C/L238S NBD / Texas Red GGBP H₆ in solution.

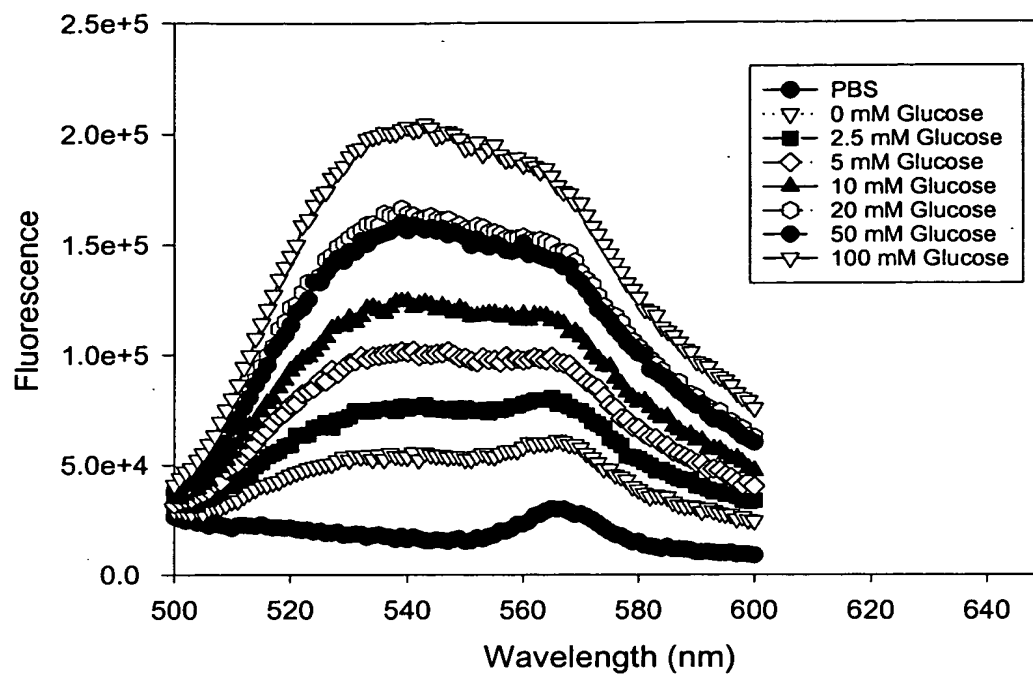


FIGURE 7 illustrates the change in fluorescence response to various concentrations of glucose for E149C/A213R/L238C NBD amide GGBP H₆ in solution.

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